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cont.

No. 5,810,742 which is a Continuation-in-part of International Application No. PCT/US95/06141, filed May 19, 1995, the disclosure of which is incorporated by reference in its entirety. --

IN THE CLAIMS

Kindly delete claims 1-33, without prejudice.

Kindly add the following claims:

34.(New) A method of acquiring aligned breast images, comprising:

1 acquiring a mammogram of a breast in a first compression orientation; and

2 acquiring an impedance image of the breast while the breast is in the first compression orientation.

35.(New) A method according to claim 34, comprising analyzing both to mammogram and impedance image to determine tumor information of the breast.

36.(New) A method according to claim 35, wherein analyzing both the mammogram and the impedance image comprises combining the mammogram and the impedance image into a single image.

37.(New) A method according to claim 36, wherein analyzing both the mammogram and the impedance image comprises overlaying the mammogram and the impedance image.

38.(New) A method according to claim 36, wherein combining the mammogram and the impedance image into a single image comprises highlighting areas in the mammogram in which the impedance is relatively low or high.

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39. (New) A method according to claim ~~34~~¹, wherein acquiring the impedance image comprises acquiring using a pair of probes on opposite sides of the breast.

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40. (New) A method according to claim ~~39~~⁶, wherein the pair of probes comprises a pair of flat probes.

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41. (New) A method according to claim ~~39~~⁶, wherein acquiring the impedance image comprises acquiring an impedance image by each of the probes in the pair of probes.

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42. (New) A method according to claim ~~34~~¹, wherein acquiring the mammogram comprises acquiring a film mammogram.

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43. (New) A method according to claim ~~42~~⁹, comprising digitizing the film mammogram.

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44. (New) A method according to claim ~~34~~¹, wherein acquiring the mammogram comprises acquiring a digital mammogram.

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45. (New) Apparatus for examining a breast, comprising:

at least one impedance probe adapted to generate an impedance image of a breast in a first compression orientation; and

an x-ray imager adapted to generate a mammogram of the breast while the breast is in the first compression orientation.

13 ~~46~~. (New) Apparatus according to claim ~~45~~¹², wherein the at least one impedance probe comprises a pair of impedance probes for positioning on opposite sides of the breast.

~~47~~¹⁴. (New) Apparatus according to claim ~~46~~¹³, wherein the pair of impedance probes are adapted to compress the breast therebetween.

Q2 ~~48~~¹⁵. (New) Apparatus according to claim ~~45~~¹², comprising an image combiner adapted to combine the impedance image and the mammogram into a single image.

~~49~~¹⁶. (New) Apparatus according to claim ~~48~~¹⁵, wherein the image combiner is adapted to overlay the impedance image and the mammogram to form the single image.

~~50~~¹⁷. (New) Apparatus according to claim ~~48~~¹⁵, wherein the image combiner is adapted to highlight those areas of the mammogram in which the impedance is relatively low or high.
